NAME:	SIREAM:
553/2	
BIOLOGY	
Paper 2	
2024	

KING SOLOMON'S COLLEGE - KYATEGA

UGANDA CERTIFICATE OF EDUCATION

E.O.T 1 EXAMINATIONS 2024

BIOLOGY

PRACTICAL

2hours 30 minutes

INSTRUCTIONS TO CANDIDATES:

This paper consists of **two** examination items. Respond to **all** the items in the spaces provided.

Drawings should be made in the spaces provided. Use **sharp pencils** for your drawings. Colored pencils or crayons should not be used.

No additional sheets of writing paper should be attached.

Work on additional sheets will not be scored.

FOR OFFICIAL USE ONLY

SECTION	SCORE	EXAMINER'S INITIALS
Α		
В		
TOTAL		

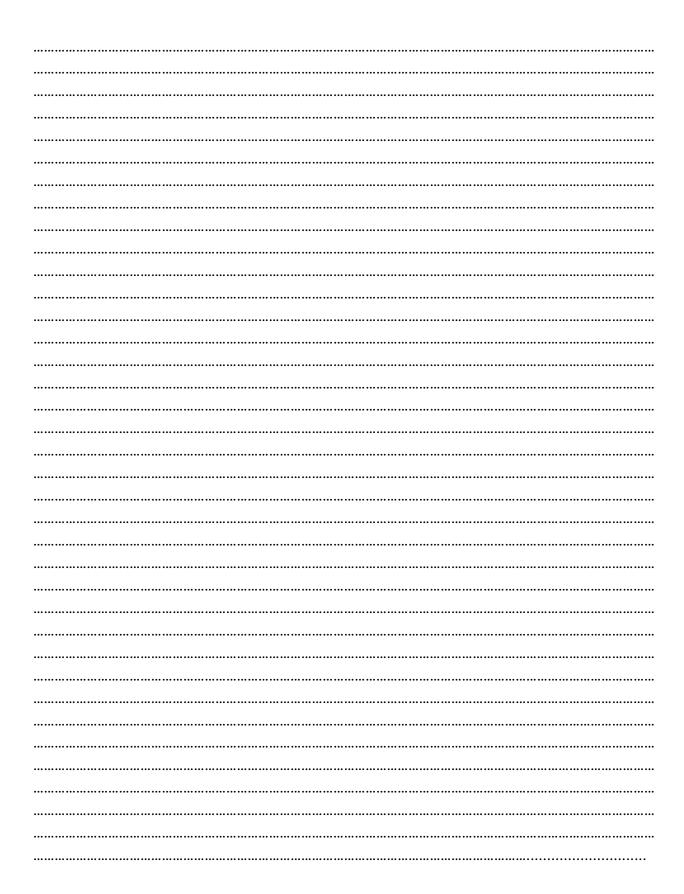
_	_	A	\sim		_
	-	. /1	O	NΙ	┗.
	-	v 1	\mathbf{u}	w	

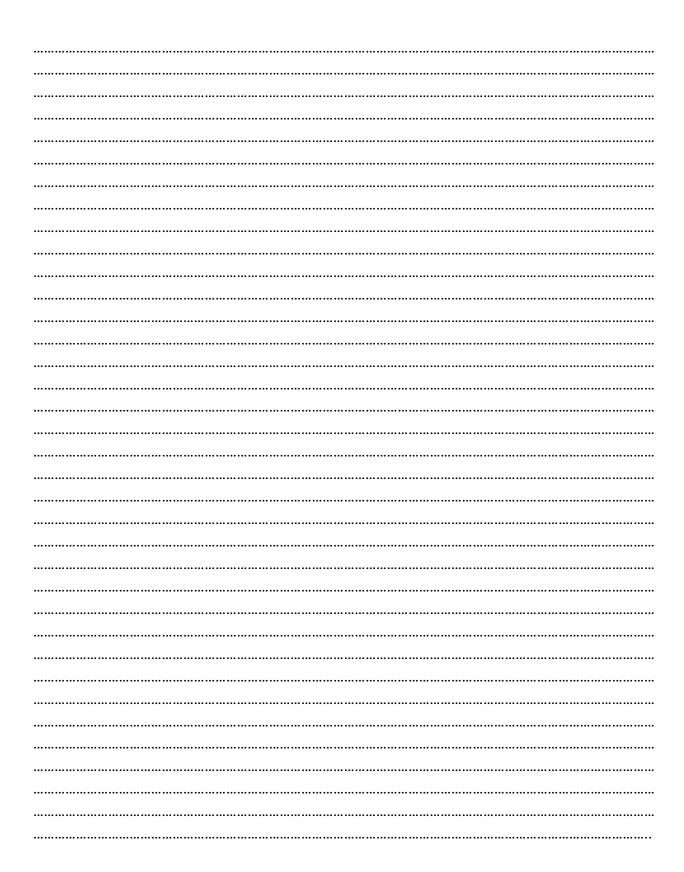
SCENARIO:

Ms Dimbuka has a son who constantly gets sick. The son also suffers from constipation and his mother regularly buys medicine from a nearby clinic. This has made her spend a lot of money. The nurse is concerned and has told her that the diet of her son maybe the problem. You happen to have a conversation with Ms Dimbuka and she provides you with food samples P and Q which her child feeds on. Her child also feeds on a food supplement containing fats and mineral salts. He also sneaks into the sideboard and steals some little sugar from the sugar bowl every day. Ms Dimbuka is worried because she doesn't know what disturbing her child because she thinks her son feeds well.

TASK:

investigation to advise Ms Dimbuka accordingly. scores)	your (23
	••••••





ITEM TWO.

SCENARIO:

Mr. Tembo owns a cattle farm in Kyatega-Kyegegwa district. Recently he got complaints from his neighbors that his cattle were destroying their crops. Mr. Tembo got surprised because he had fenced his farm well using poles and barbed wires. He couldn't believe that his animals escaped. Mr. Tembo decided to move around his farm with his workers to find out the problem. They discovered that at one corner of the farm, some poles were down and others were hanging in space but held by barbed wires. While moving around the farm, Mr. Tembo and his workers collected different organisms which they failed to identify. One of the workers says all of them destroyed the fence, and another says not all but one of the organisms. They labeled the organisms J, K, L and M and presented them to you to help them. They also provided you with one of the poles that were damaged.

TASK:

(a)(i) By giving reasons, help Mr. Tembo and his workers understand the phylum to which the specimens belong. (04 scores)	
(ii) Construct a dichotomous key for them to easily identify the specimens (scores)	03
	•••••

(b)(i) With a reason, solve the conflict between Mr. Tembo's workers by identifying which specimen is responsible for damaging the farm structure provided. (02 scores)
(ii) Tell them the class to which the specimen responsible for the damage belongs. (02 scores)
(iil) Explain to them how the specimen is adapted to destroy the poles to cause such serious problem, how it is able to survive in the farm and advise Mr. Tembo on how to control that particular specimen. (08 scores)

(c) Draw the head of the specimen and label the structure(s) that it used damage observed on the pole.	d to cause the (06 scores)

END

ALWAYS BELIEVE, WORK HARD AND YOU WILL SUCCEED.

BIOLOGY DEPARTMENT - KSCK 2024